

**CONTRACT NO. 09-209-500346**  
**TIMBER SALE PREPARATION CONTRACT**

**PROJECT DESCRIPTION**

**SUPERVISORY AREA:** Payette Lakes

**PROJECT NUMBER:** 50-346-500-09

**PROJECT NAME:** Boulder South Mark

**PROJECT ACREAGE:** 692

**LOCATION:** This project is located approximately 5.5 miles southeast of McCall, Idaho.

**LEGAL DESCRIPTION:**

<u>Unit</u>	<u>Subdivision</u>	<u>Section</u>	<u>Township</u>	<u>Range</u>	<u>Approximate Acres</u>
1	Pts. SESW	19	18N	4E	247
	Pts. SWNE, Pts. E2NW	30	18N	4E	
	Pts. E2SW, Pts. SE	30	18N	4E	
	Pts. NENE	31	18N	4E	
2	Pts. SESW	19	18N	4E	244
	Pts. SWNW, Pts. W2SW	29	18N	4E	
	Pts. S2NE, Pts. E2NW, Pts. E2SE	30	18N	4E	
	Pts. NWSE	30	18N	4E	
	Pts. NENE	31	18N	4E	
	Pts. NWNW	32	18N	4E	
3	Pts. SWNE, Pts. NENW, Pts. S2NW	29	18N	4E	201
	Pts. SW, Pts. W2SE	29	18N	4E	
	Pts. N2NW	32	18N	4E	
Total Acres:					692

**CONTRACT WORK TO BE PERFORMED:**

Mark reserve trees within the contract area with orange paint according to the standards set forth in this Project Description and the master contract. The contract area is designated with three blue slashes painted on boundary trees except on a portion of the east side boundary that is defined by road. The unit separation boundaries are designated by established roads and will not need any paint or flagging designation. **The Contractor will supply all paint, including black paint to correct mistakes.**

Unless otherwise stated, all procedures and standards will conform to the Idaho Department of Lands Timber Management Procedures Manual, and/or as directed by the State.

**CONTRACT PERIOD:**

Contract work may commence once the Contractor has received a signed copy of the contract and has had a prework conference with the Contract Supervisor. All field work must be completed by November 1, 2009. The contract will terminate December 1, 2009.

**PAYMENT:**

Payment shall be made upon the satisfactory completion of each unit as per the Master Contract and this Project Description. Payments will be made at the rate set forth in Schedule A attached hereto.

## TECHNICAL SPECIFICATIONS, INSPECTION AND ACCEPTANCE:

### A. Timber Marking:

#### 1. Technical Specifications

- a. Situation: A majority of the merchantable timber consists of grand fir with moderate amounts of ponderosa pine and Englemann spruce and minor amounts of Douglas-fir, subalpine fir and lodgepole pine. All units are moderate to heavy stocked with some scattered small patches of light stocking areas. The west boundary is a private property line with houses situated within 500 feet of the boundary line. Unit 3, located on the east portion of the sale area, contains steeper west facing slopes making it visible to nearby subdivisions, homes, the city of McCall and portions of Long Valley. The stocking densities and species compositions will vary due to the variety of site conditions and past management practices throughout the project area.

Dwarf mistletoe, pine bark beetle, ips beetle, western gall rust and fir engraver beetle are present. There is also Indian paint fungus, schweinitzii and pini. The terrain is broken with moderate and steep sloping areas. Slopes range from 20 to 50% with most of the ground consisting of 25-40% slopes. Road access within the sale area is good with improved native surface and gravel surface roads that are moderately used during the dry season. The main project access roads are accessible with a vehicle. Many of the spur roads will be limited to access with an ATV or walking. There are areas of moderate brush throughout the project area. There are about 123 merchantable trees per acre (17.15 mbf/acre, 141 basal area/acre).

- b. Objectives:

- 1) Remove the diseased, insect infested, defective and overmature merchantable trees to increase growth of the residual stand and promote regeneration of desirable species (PP, WL, DF, ES).
- 2) Commercial thin to increase growth and yield of the desirable commercial trees and to promote natural regeneration.
- 3) Maintain a higher level of stocking in visibly sensitive areas.
- 4) Maintain healthy streamside vegetation and retain 75% of tree canopy over streams.
- 5) Designate wildlife leave trees in all units

#### 2. Silvicultural Prescription

The silvicultural system for all units will be a commercial thinning. There will be a higher residual stocking requirement in unit 3 and within 200 feet of the west project boundary in unit 1 to protect the visually sensitive areas of the sale. Approximately 62% (77 trees/acre) of the merchantable trees should be removed, taking 83 basal area (BA) and leaving a target basal area of 58 (46 trees/acre), throughout the project area. The average diameter of trees to cut is 13.1" DBH and the average diameter of trees to leave is 14.5" DBH.

- a. Commercial Thinning:

Leave 60-80 BA of vigorous, healthy and desirable trees in unit 3 and within 200 feet of the west project boundary in unit 1. Leave 40-60 BA in unit 2 and the remaining portion of unit 1. The species to leave will be in the preference order listed: WL, PP, DF, ES, GF, LP and AF. There are some scattered overmature trees throughout these units. In general, these trees need to be removed from

the stand. An exception can be made if a healthy and productive overmature tree needs to be left in an area that is lightly stocked and/or lacks good quality merchantable trees to leave.

b. Riparian Areas:

Boulder Creek, a class I stream, passes through the north part of units 1 and 2 near the north boundary. There is also an unnamed class I stream that originates in unit 3, flowing north and west, crossing the north sale boundary and draining into Boulder Creek. These class I streams require a 75 foot Stream Protection Zone from the ordinary high water mark. All other streams within the sale area are class II streams that require a 30 foot Stream Protection Zone. Mark enough trees to leave within the Stream Protection Zone so that at least 75% of the effective tree shade will be maintained. Also, trees leaning heavily over or into the streams should be marked to leave. Many of the overmature trees within the stream protection zones need to be marked to leave to maintain the shade requirements.

c. Wildlife Trees:

Where available, leave 3-5 wildlife trees per acre at least 10" DBH or larger and 40 feet tall. Wildlife trees are dead snags and/or green trees with signs of dens or nesting sites as determined by the forester-in-charge. Wildlife trees will be marked with an orange "WT" above breast height, with a butt mark.

3. Selection of Leave Trees

The most dominant tree with good form and vigor on the appropriate spacing should be selected to obtain the desired reserve basal area per acre. Reserve trees should not have forks, stem defects, crooks, butt wounds, excessive taper, lean, sweep and large limbs if possible or as designated by the forester-in-charge. They should also be free from damaging insect infestations and disease or as designated by the forester-in-charge.

Dwarf mistletoe is present in Douglas-fir, western larch and ponderosa pine. Do not leave trees with a Hawthorn Dwarf Mistletoe rating greater than 3. The point system used to establish this rating is attached.

B. Inspection:

Inspection shall be done using a 20 BAF variable plot. The number of trees per plot will vary depending on the stand conditions, but overall the unit shall meet reserve basal area per acre specifications as determined by the State. A sample inspection form and error table can be found in Exhibit D.

C. Acceptance:

Acceptance of marking will be based on a minimum of 115 check plots (i.e. 1 plot / 6 acres). Plots will be installed and evaluated using a systematic grid. Marking in each unit will be accepted when the percent satisfactory work as described in the master contract is 90% or greater.

**INFORMATION:**

Further information is available by contacting:

Idaho Department of Lands, Payette Lakes Supervisory Area  
555 Deinhard Lane, McCall, ID 83638  
Phone: (208) 634-7125, Fax: (208) 634-5117  
E-mail: hwright@idl.idaho.gov  
Howard Wright

### **Dwarf Mistletoe Control Specifications**

Dwarf mistletoe infected tress will be rated by the following point system. Leave trees will be rated 3 or less, and cut trees will be those with a rating of 4 or more, unless otherwise specified by the forester-in-charge.

### **The Six-Class Dwarf Mistletoe Rating System**

#### **INSTRUCTIONS:**

Step 1 - Divide the live crown into thirds.

Step 2 - Rate each third separately.

Each third should be given a rating of 0, 1, or 2 as described below:

0. No visible infections.
1. Light infections ( $\frac{1}{2}$  or less of total number of branches in the third infected).
2. Heavy infection (more than  $\frac{1}{2}$  total of branches in the third infected).

Step 3 - Add rating of the thirds to obtain  
A rating for the total tree.

Step 4 - Stand values may be obtained by  
averaging individual tree ratings.

The tree in this example will receive a

#### **EXAMPLE:**

If this third has no visible infections, its rating is 0.

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If this third is lightly infected, its rating is 1.

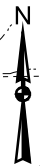
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If this third is heavily infected, its rating is 2.



rating of:  $0+1+2=3$ .

Boulder South Mark  
Vicinity Map  
Contract # 09-209-500346  
Project # 50-346-500-09



Payette  
Lake

McCall

Elo Road

Boulder Lake Road

Project Area

Highway 55

1 0 1 2 Miles

Legend



Project Boundary



Roads



Stream



Section Lines

H.W. 1/15/09



Boulder South Mark  
Contract # 09-209-500346  
Project # 50-346-500-09  
T18N R4E

Boulder Lake Road

Boulder Creek

Unit 1

Unit 2

Unit 3

30

19

20







29

31

32

0.5 0 0.5 Miles

Legend

- |   |                  |   |               |
|---|------------------|---|---------------|
|  | Project Boundary |  | Stream        |
|  | Unit Boundary    |  | Roads         |
|  | State Boundary   |  | Section Lines |